Claims

- [1] An emulsion composition containing:
 - (A) a water-based solvent,
 - (B) an organic solvent,
- (C) a sulfonic group-containing polymer soluble in the component (A), and
- (D) a polymer soluble in the component (B) but insoluble in water.
- 10 [2] An emulsion composition according to Claim 1, wherein the component (D) is an amino group-containing polymer.
 - [3] An emulsion composition according to Claim 1 or 2, which is a W/O type (water-in-oil type) emulsion and wherein the component (B) has a vapor pressure higher than the vapor pressure of the component (A) at least at a certain temperature $T_{\rm dl}$.
 - [4] An emulsion composition according to any of Claims 1 to 3, which is a W/O type (water-in-oil type) emulsion and wherein a volume of the component (C) is larger than the volume of the component (D).
 - [5] An emulsion composition according to Claim 1 or 2, which is an O/W type (oil-in-water type) emulsion and wherein the component (B) has a vapor pressure lower than the vapor pressure of the component (A) at least at a certain
- 25 temperature T_{d2} .

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- [6] An emulsion composition according to Claim 1, 2 or 5, which is an O/W type (oil-in-water type) emulsion and wherein a volume of the component (C) is smaller than the volume of the component (D).
- 30 [7] An emulsion composition according to any of Claims 1 to

- 6, which has a volume resistance after drying, of 10^{-2} to 19 $\Omega \cdot \text{cm}$.
- [8] A coating material composed of an emulsion composition set forth in any of Claims 1 to 7.
- [9] A film obtained by removing, from an emulsion composition set forth in any of Claims 1 to 7, the component (A) and the component (B).
 - [10] A high-molecular solid electrolyte obtained by removing, from an emulsion composition set forth in any of Claims 1 to
- [11] A filter obtained by removing, from an emulsion composition set forth in any of Claims 1 to 7, the component (A) and the component (B).

7, the component (A) and the component (B).

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